

CLAIMS

- 1 1. An apparatus comprising:
2 at least one processor;
3 a memory coupled to the at least one processor; and
4 an image file residing in the memory, the image file defining higher priority
5 portions and lower priority portions such that when the image file is transferred,
6 the higher priority portions of the image file are transmitted before the lower
7 priority portions of the image file.
- 1 2. The apparatus of claim 1 further comprising a receiving computer receiving
2 portions of the image file, the receiving computer comprising an image interpreter
3 and an image viewer residing on the receiving computer, the image interpreter
4 translating the received portions of the image file into image data, such that the
5 image viewer can display the higher priority portions of the image file before
6 displaying the lower priority portions of the image file.
- 1 3. The apparatus of claim 1 further comprising an image prioritization editor
2 residing in the memory, the image prioritization editor allowing at least one
3 portion of an image to be selected and assigned at least one priority.
- 1 4. The apparatus of claim 1 further comprising an image interpreter, the image
2 interpreter saving the image in a graphics file format.

PAI

- 1
- 2

- 1
- 2
- 3
- 4

26

- 1 8. An apparatus comprising:
- 2 a transmitting computer comprising:
- 3 a) at least one processor;
- 4 b) a memory coupled to the at least one processor;
- 5 c) an image file residing in the memory, the image file defining
- 6 higher priority portions and lower priority portions such that, when
- 7 the image file is transmitted, the higher priority portions of the
- 8 image can be transmitted before the lower priority portions of the
- 9 image; and
- 10 a receiving computer receiving the image file as received data from the
- 11 transmitting computer, the receiving computer including:
- 12 a) at least one processor;
- 13 b) a memory coupled to the at least one processor;
- 14 c) an image viewer residing in the memory;
- 15 d) an image interpreter residing in the memory and cooperating with
- 16 the image viewer to allow the image viewer to display received
- 17 images, the image viewer translating the received data into image
- 18 data to allow the image viewer to display the image data
- 19 corresponding to the higher priority portions of the image file
- 20 before displaying the image data corresponding to the lower
- 21 priority portions of the image file.

Sub
B2
cont

CONFIDENTIAL

1 9. The apparatus of claim 8 wherein the transmitting computer further comprises an
2 image prioritization editor residing in the memory, the image prioritization editor
3 allowing at least one portion of an image to be selected and assigned at least one
4 priority.

1 10. The apparatus of claim 9 wherein the transmitting computer further comprises an
2 image interpreter, the image interpreter saving the image in a graphics file format.

1 11. The apparatus of claim 10 wherein the graphics file format is joint picture experts
2 group format, graphics interchange format, or bitmap format.

1 12. The apparatus of claim 10 wherein the graphics file format comprises a plurality
2 of portions of the image, each portion corresponding to the at least one priority.

1 13. The apparatus of claim 8 wherein the transmitting computer further comprises a
2 simulation browser residing in the memory, the simulation browser simulating
3 transmission and reception of the image file, the simulation browser adding a
4 delay between portions of the image file.

Sub B3

1 14. A program product comprising:
2 an image interpreter for creating a transmission image file, the transmission image
3 file defining higher priority portions and lower priority portions such that when
4 the transmission image file is transferred, the higher priority portions of the
5 transmission image file are transmitted before the lower priority portions of the
6 transmission image file; and
7 signal bearing media bearing the image interpreter.

1 15. The program product of claim 14 wherein the signal bearing media comprises
2 transmission media.

1 16. The program product of claim 14 wherein the signal bearing media comprises
2 recordable media.

1 17. The program product of claim 14 wherein the image interpreter can translate
2 received portions of a reception image file into image data, such that an image
3 viewer can display the higher priority portions of the reception image file before
4 displaying the lower priority portions of the reception image file.

Sub B4

1 18. The program product of claim 14 further comprising an image prioritization
2 editor, the image prioritization editor allowing at least one portion of an image to
3 be selected and assigned at least one priority.

Sub
B4

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1
2

19. The program product of claim 18 wherein the image interpreter can save the image in a graphics file format.

1

20. The program product of claim 19 wherein the graphics file format is joint picture experts group format, graphics interchange format, or bitmap format.

1
2
3

21. The program product of claim 19 wherein the graphics file format comprises a plurality of portions of the image, each portion corresponding to the at least one priority.

1
2
3
4

22. The program product of claim 14 wherein the program product further comprises a simulation browser for simulating transmission and reception of the transmission image file, the simulation browser adding a delay between portions of the transmission image file.

1 23. A program product comprising:
2 an image interpreter for creating a transmission image file, the transmission image
3 file defining higher priority portions and lower priority portions such that when
4 the transmission image file is transferred, the higher priority portions of the
5 transmission image file are transmitted before the lower priority portions of the
6 transmission image file, the image interpreter also for translating received portions
7 of a reception image file into image data, such that an image viewer can display
8 the higher priority portions of the reception image file before displaying the lower
9 priority portions of the reception file; and
10 signal bearing media bearing the image interpreter.

1 24. The program product of claim 23 wherein the signal bearing media comprises
2 transmission media.

1 25. The program product of claim 23 wherein the signal bearing media comprises
2 recordable media.

1 26. The program product of claim 23 further comprising an image prioritization editor
2 for allowing at least one portion of an image to be selected and assigned at least
3 one priority.

1 27. The program product of claim 26 wherein image interpreter can save the image in
2 a graphics file format.

1
2
3
4

28. ~~The program product of claim 27 wherein the graphics file format is joint picture experts group format, graphics interchange format, or bitmap format.~~

1 29. The program product of claim 27 wherein the graphics file format comprises a
2 plurality of portions of the image, each portion corresponding to the at least one
3 priority.

1 30. The program product of claim 23 further comprising a simulation browser for
2 simulating transmission and reception of the transmission image file, the
3 simulation browser adding a delay between portions of the transmission image
4 file.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1 31. A method for transmitting an image from a computer, the method comprising the
2 steps of:

- 3 a) selecting at least one portion of the image;
- 4 b) assigning a priority to the selected at least one portion to create a
- 5 prioritized image; and
- c) transmitting the prioritized image such that the higher priority portions are
transmitted before the lower priority portions.

1 32. The method of claim 31 further comprising the step of saving the prioritized
2 image in an image file, the image file comprising a graphics file format.

1 33. The method of claim 32 wherein the graphics file format is joint picture experts
2 group format, graphics interchange format, or bitmap format.

1 34. The method of claim 32 wherein the graphics file format comprises a plurality of
2 portions of the image, each portion corresponding to the at least one priority.

- 1 35. A method for transmitting an image from a transmitting computer and receiving
2 the image on a receiving computer, the method comprising the steps of:
- 3 a) performing the following steps on the transmitting computer:
- 4 i) selecting at least one portion of an image;
- 5 ii) assigning a priority to the selected at least one portion to create a
6 prioritized image; and
- 7 iii) transmitting the prioritized image such that the higher priority
8 portions are transmitted before the lower priority portions;
- 9 b) performing the following steps on the receiving computer:
- 10 i) receiving a portion of the image file;
- 11 ii) translating the portion of the image file into image data;
- 12 iii) determining the location of the portion of the image file; and
- 13 iv) transferring the image data and the location to an image viewer
14 such that the image viewer can display the portion of the image file
15 at the location.

1 36. The method of claim 35 wherein the step of transmitting the prioritized image
2 such that the higher priority portions are transmitted before the lower priority
3 portions further comprises the following steps:

A) simulating transmission and reception of a portion of the image;

B) translating the portion of the image file into image data;

C) determining the location of the portion of the image file;

D) transferring the image data and the location to an image viewer such that the image viewer can display the portion of the image file at the location

E) \ waiting a delay; and

F) ~~repeating steps A through E until the entire image has been transmitted and received.~~

37. The method of claim 35 wherein the step of translating the portion of the image file into image data further comprises the step of decompressing the portion of the image file.

38. The method of claim 35 further comprising the following step that is performed on the transmitting computer:

iv) saving the prioritized image in an image file, the image file comprising a graphics file format.

DOCKET NO. R0998-106

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

39. The method of claim 38 wherein the graphics file format is joint picture experts group format, graphics interchange format, or bitmap format.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

40. The method of claim 38 wherein the graphics file format comprises a plurality of portions of the image, each portion corresponding to the at least one priority.